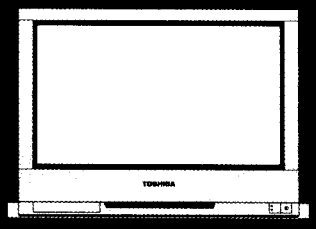
TOSHIBA

28W93B



OWNER'S MANUAL

TOSHIBA

Widescreen Nicam Stereo Colour Television with Fastext

Safety

Safety advice:

SOME DO'S AND DON'TS ON THE SAFE USE OF EQUIPMENT. PLEASE READ THE FOLLOWING POINTS CAREFULLY. THEY ARE OF A GENERAL NATURE, INTENDED TO HELP YOU WITH ALL YOUR ELECTRONIC CONSUMER PRODUCTS. SOME ITEMS MAY NOT APPLY TO THE GOODS YOU HAVE JUST PURCHASED.

This equipment has been designed and manufactured to meet international safety standards, but like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections, including the mains plug, extension leads and inter connections, between pieces of equipment, are properly made and in accordance with the manufacturers instructions. Switch off and withdraw the mains plug when making or changing connections.

DO leave at least 10 cm clearance around the top, sides and back of the TV to allow adequate ventilation and sound response.

DO be careful with glass panels or doors on equipment.

DON'T continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way – switch off, withdraw the mains plug and consult your dealer.

DON'T remove any fixed cover as this may expose dangerous voltages.

DON'T leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.

DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety.

DON'T listen to headphones at high volume, as such use can permanently damage your hearing.

DON'T obstruct the ventilation of the equipment for example, with curtains or soft furnishings. Overheating will cause damage and shorten the life of the equipment.

DON'T use makeshift stands and NEVER fix legs with wood screws – to ensure complete safety always fit the manufacturer's approved stand with the fixings provided, according to the instructions.

DON'T allow electrical equipment to be exposed to rain or moisture. ABOVE ALL – NEVER let anyone, especially children, push anything into holes, slots or any other openings in the case – this could result in a fatal electric shock – NEVER guess or take chances with electrical equipment of any kind – it is better to be safe than sorry.

DON'T place hot objects such as candles or nighlights on, or close to the equipment

Contents

This manual has been designed to be easy to use, but if you need advice in using your Toshiba Television, we have provided a Customer Helpline for you.

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Introduction

Electrical installation:

The mains supply required for this equipment is 220v to 240v AC 50Hz. Never connect to a DC supply or any other power source.

Mains Plug

DO NOT cut off the fused mains plug from this equipment, this incorporates a special Radio Interference Filter, the removal of which will impair its performance.

The fuse fitted in this plug is 5A. and is approved by ASTA or BSI to BS1362. It should only be replaced by a correctly rated and approved type and the fuse cover must be re-fitted.

IF IN DOUBT CONSULT A COMPETENT ELECTRICIAN

Air Circulation

Leave at least 10 cm clearance around the television to allow adequate ventilation. This will prevent the TV from overheating and consequential possible damage to the TV. Dusty places should also be avoided.

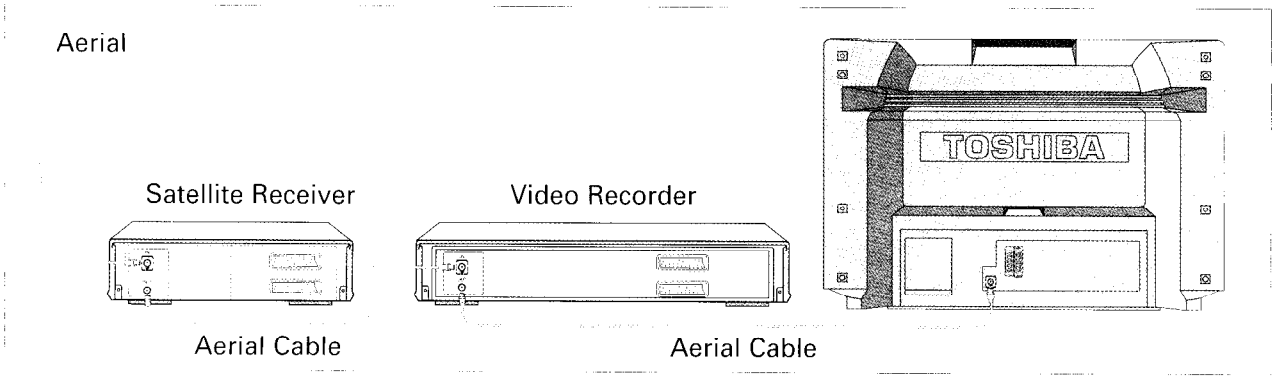
If using a video recorder mounted in a cabinet below your TV, it is recommended that it is placed on the lowest shelf of the cabinet for optimum performance.

Connecting your TV:

Connecting up

Connect the aerial plug to the socket on the rear of the television. If you use a satellite receiver and/or a video recorder it is essential that the aerial cable is connected through the satellite receiver and/or through the video recorder to the television.

DO NOT CONNECT SCART LEADS UNTIL THE TELEVISION IS FULLY TUNED.

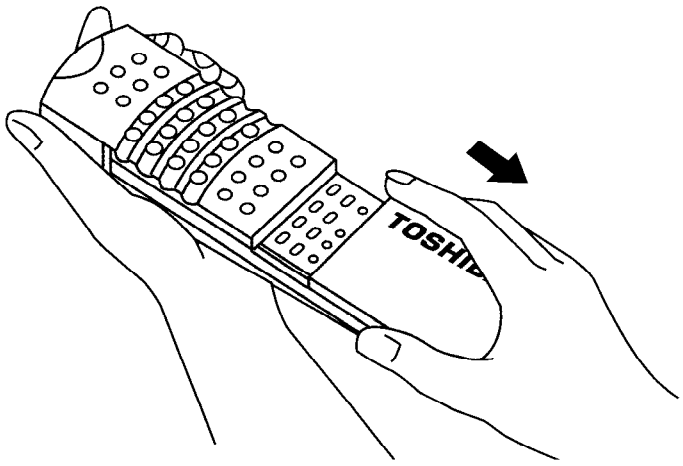


Preparing the remote control

The remote control:

In addition to the standard set of function buttons, your remote control has a concealed portion in which the tuning and additional feature buttons are located.

Carefully slide back the lower portion of the remote control to reveal the concealed buttons.

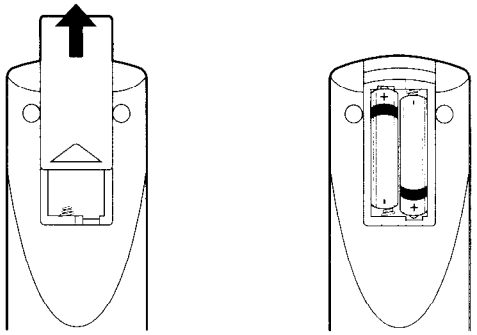


Batteries for the remote control:

Carefully slide the cover upwards to reveal the battery compartment of the remote control (located on the rear). When fitting new batteries take care to observe the correct polarities.

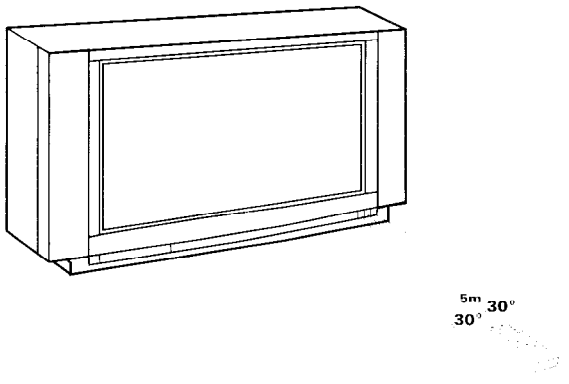
All Toshiba batteries are Cadmium and Mercury free.
Suitable battery types are: R6 or AA.

Caution: **Do not** throw your batteries into a fire. Dispose of your batteries in a designated disposal area. **Do not** combine a used old battery with a new one.
Do not mix battery types.



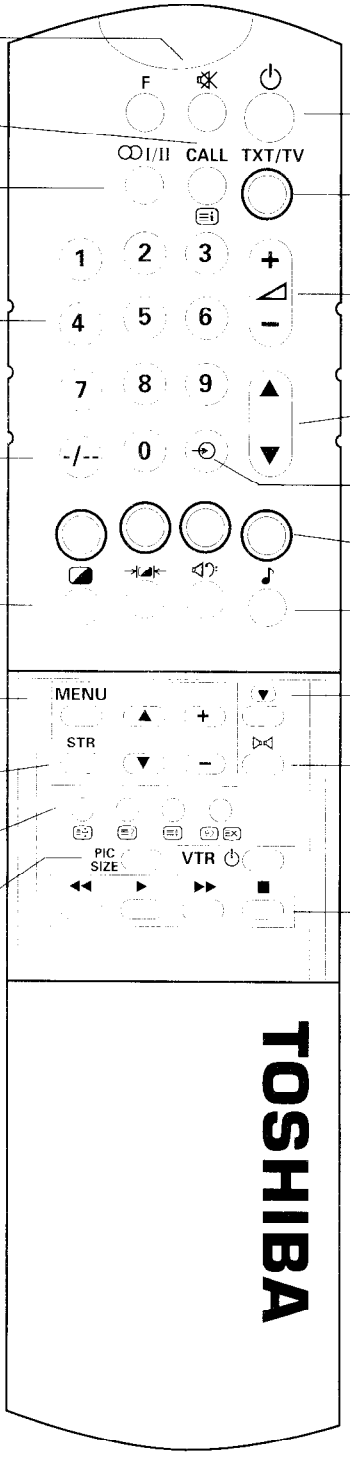
Effective range for the remote control:

For optimum performance operate the remote control within a distance of 5 metres and up to 30° from the central position.



Your remote control

The illustration below is designed to show the areas of the remote control. Individual buttons are described in the text.



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CALL
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Stereo/Bilingual
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Keypad Number Buttons

1 or 2 Digit Channel Selection
Page 14

Picture Controls
Page 18

Menu Control Buttons
Pages 7-9

Search/Store Page 11-12

Teletext/Time display
Pages 23 and 21

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Pages 15-17

Slide

Standby Page 6

Teletext Pages 23-24

Volume Page 14

Programme Position up/down Page 16
Teletext up/down Page 23

Input Selection Page 22
(VTR, Satellite, DVD etc)

Teletext Coloured Prompt Buttons
Page 23

Sound Controls Page 19

This button has no function
on this model

Surround Sound

Video Recorder Buttons
to operate your Toshiba
Video Recorder

◀◀ for REWIND
▶▶ for FAST FORWARD
▶ for PLAY
■ for STOP
⏻ for STANDBY

Turning the TV on

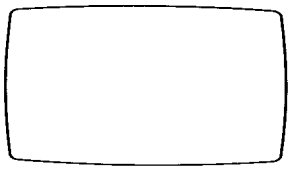
To conserve energy it is best to turn your TV off and not to leave it in standby.

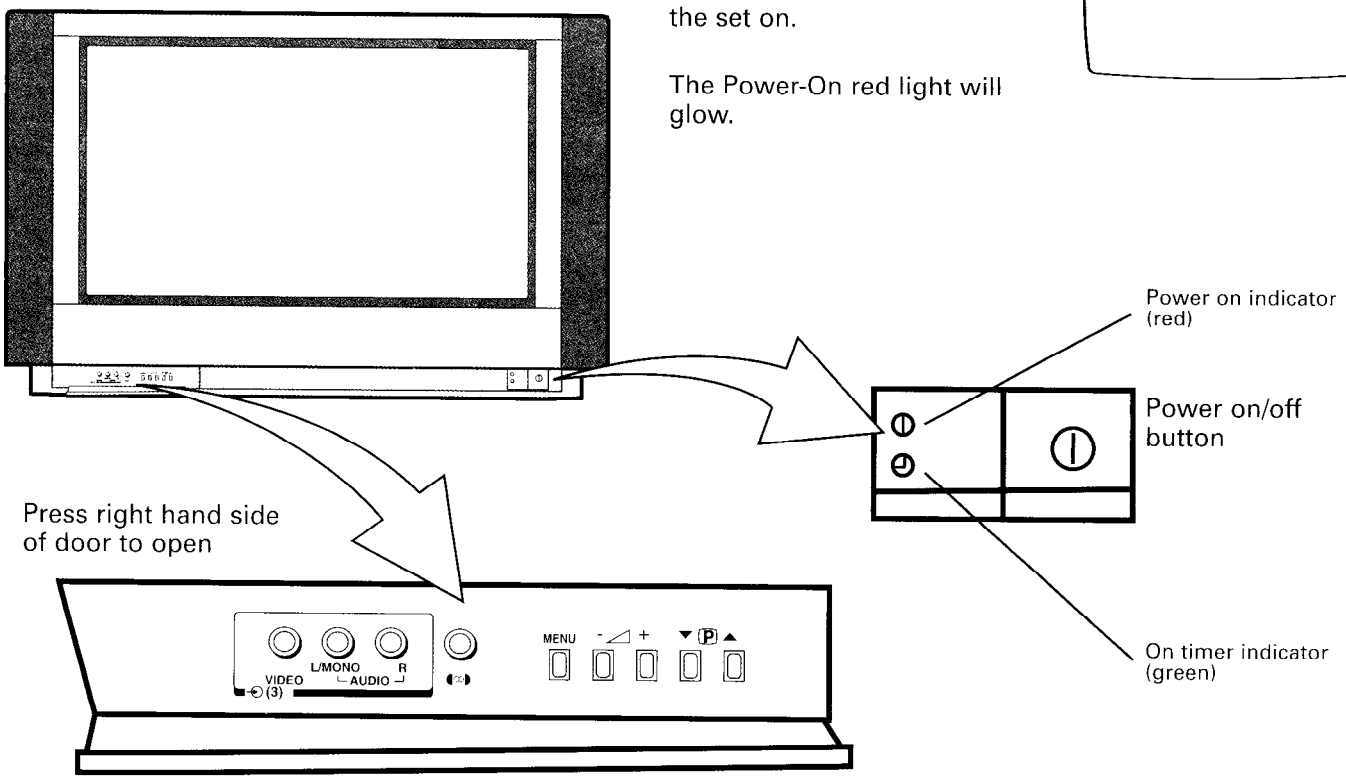
Switching the power on:

Switching on the TV

1 If the Power-On light is unlit, press the on/off button on the front of the TV to switch the set on.

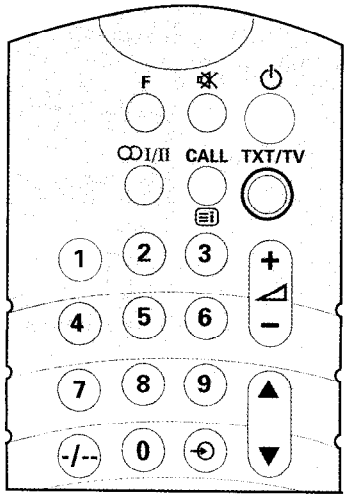
The Power-On red light will glow.





Front Control Panel

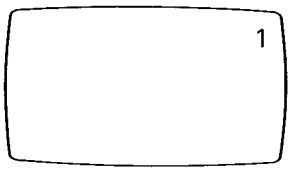
Switching on from standby:



Switching on from standby

Standby Button ⏻:
This allows you to put the set into standby mode when leaving the TV unattended for short periods of time.

To return to TV mode press the ⏻ button, or any of the numbered buttons on the remote control. The picture may take up to 6 seconds to appear.

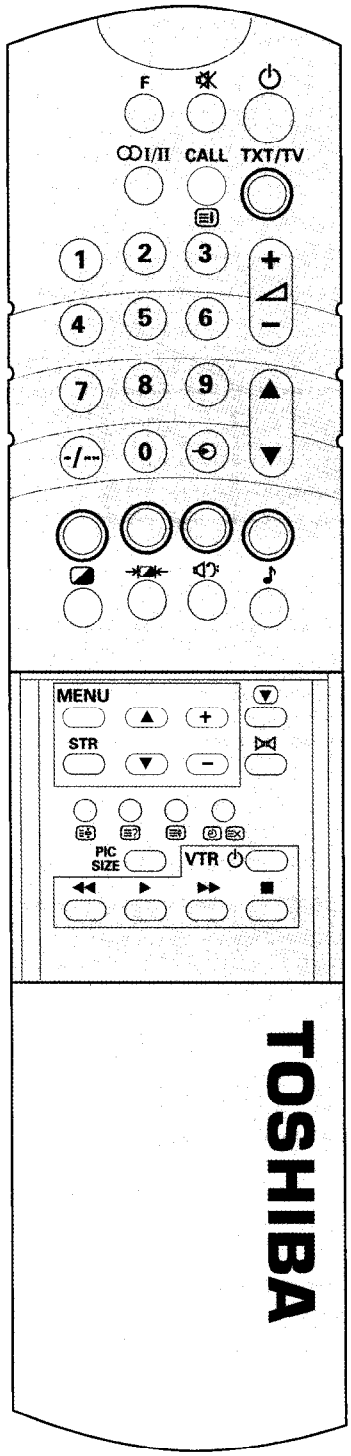


How it works

This Owner's Manual is divided into:
INFORMATION AND GUIDANCE ON THE LEFT | INSTRUCTIONS ON THE RIGHT

Selecting and adjusting Menu functions using the remote control:

The buttons you will need for each section are highlighted in white (see below).



Slide

Your new Toshiba TV has a menu system to help you select the various functions. Press the **MENU** button on the remote control unit to access the **Main menu**.

Menu displays will remain on screen for approximately 15 seconds.

If a display disappears, simply press the **MENU** button to bring back the **Main menu**.

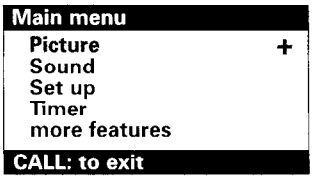
To cancel any display press the **CALL** button.

Highlighting a feature, enables you to ***adjust/alter*** it.
To ***highlight*** a feature press the ▲ button to ***move*** the bar up, or the ▼ button to ***move*** the bar down.
To ***select/adjust*** a feature press either the + (or −) button.

Selecting and adjusting Menu functions

1 Press the **MENU** button to access the **Main menu**.

2 Use the ▲ (or ▼) button to ***move*** the highlight bar up (or down) the menu.

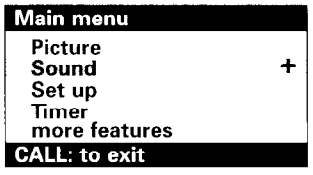


3 Use the + button to ***select*** or ***adjust*** the settings.

For example: To ***select*** **Balance** in the Sound menu:

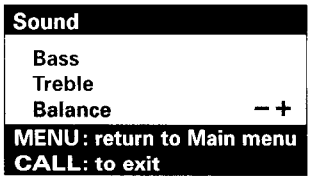
1 Press the **MENU** button to access the **Main menu**.

2 Use the ▲ (or ▼) button to ***highlight*** Sound.



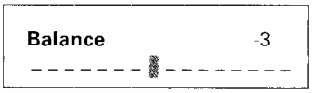
3 Press the + button to ***select*** the **Sound** menu.

Press the ▲ (or ▼) button to ***highlight*** Balance.



4 Press the + button to ***select*** the **Balance** display.

Press the + (or −) button to ***adjust*** the setting.

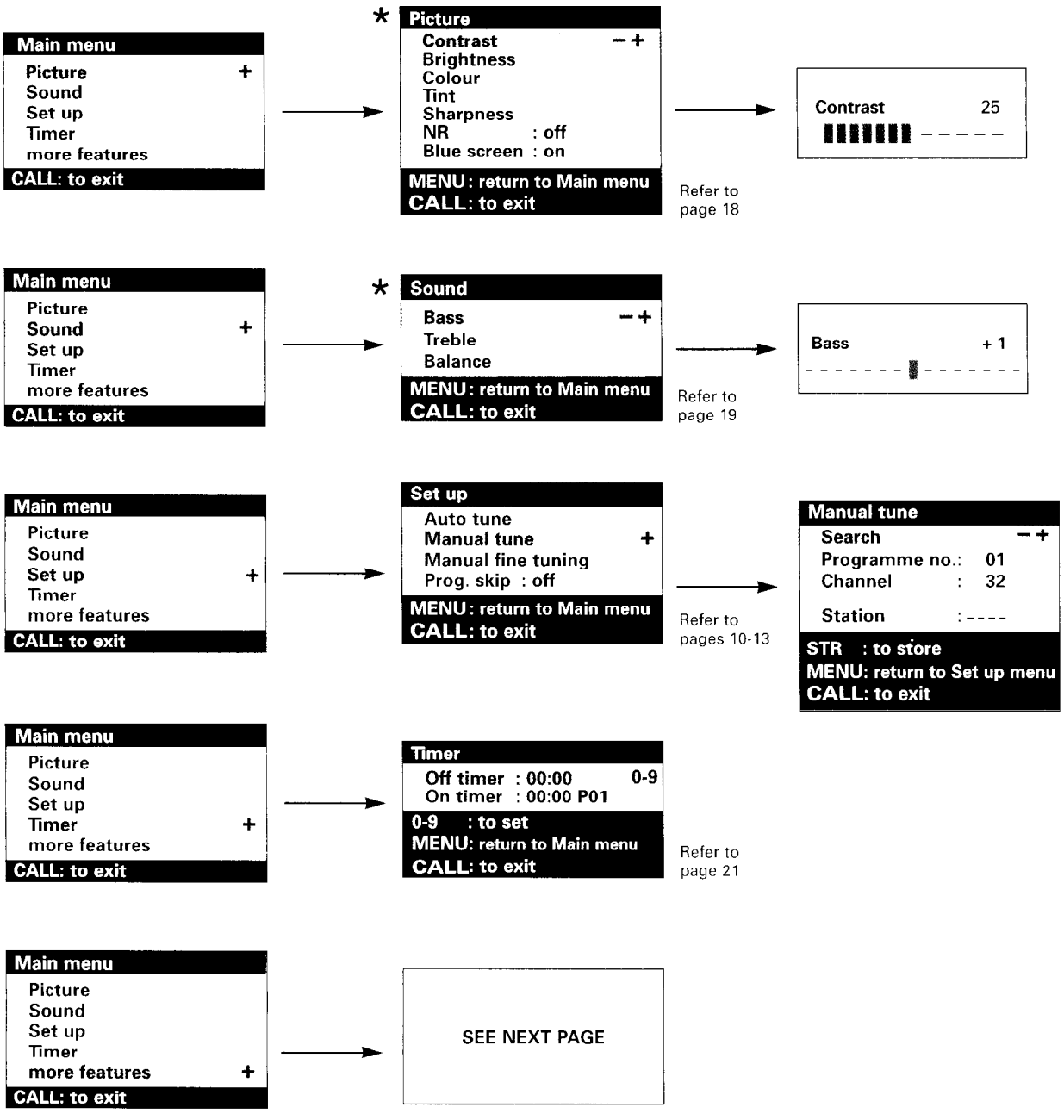


Menu displays

List of Main menu displays:

Menu displays will remain on screen for approximately 15 seconds. If a display disappears, simply press the **MENU** button to bring back the **Main menu**.

To cancel any display press the **CALL** button.

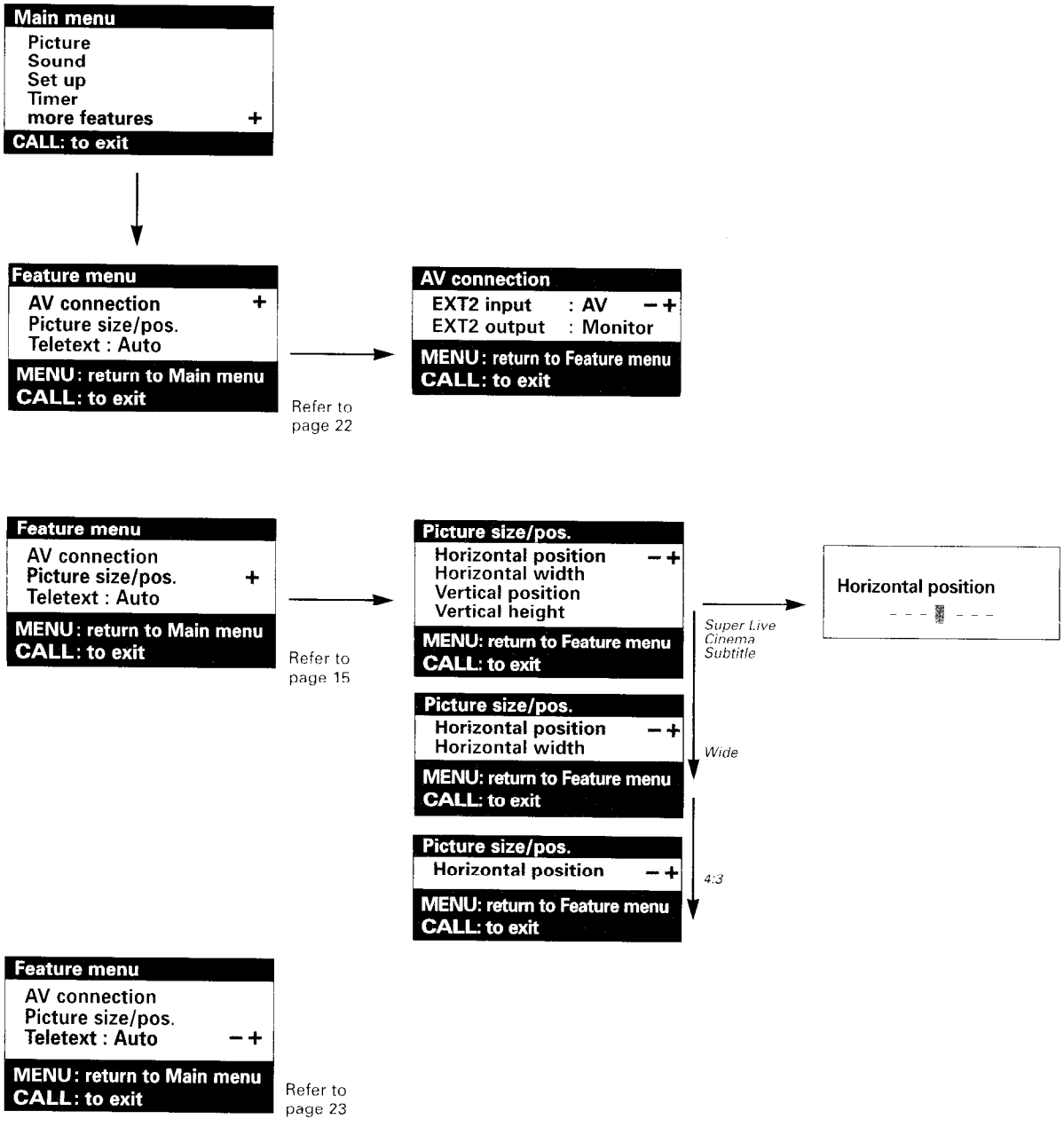


* This menu can be accessed by using the buttons on the front of the TV. Refer to page 25.

Menu displays

Press the **MENU** button to access the **Main menu**.
Press the ▲ (or ▼) button to ***move*** the highlight bar up (or down) the menu.
Press the + (or −) button to ***select*** or ***adjust*** the settings.

List of Feature menu displays:

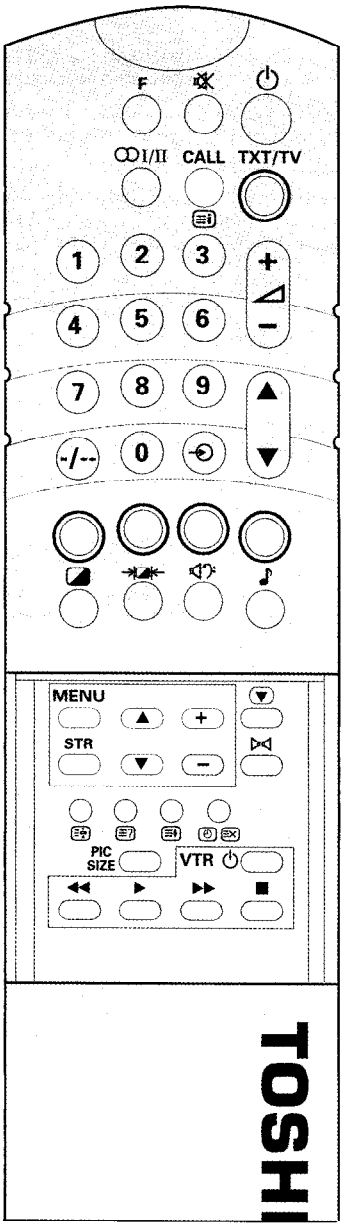


Auto tune

As programmes are transmitted on different frequencies in different parts of the country we are unable to pre-tune all programme positions. The following simple steps will take you through the process, enabling you to allocate any TV station to any programme position.

Preparing to Auto tune:

The buttons you will need for each section are highlighted in white (see below).



Note: This TV has direct channel entry if the channel numbers are known.

Select the screen in step 4 on page 12, enter the required programme position, then enter the appropriate channel number and press the **STR** button to memorise.

Menu displays will remain on screen for approximately 15 seconds. If a display disappears simply press the **MENU** button to bring back the **Main menu**.

To cancel any display press the **CALL** button.

Note: The satellite receiver must be switched on and tuned to Sky News and the video recorder plugged in and set to standby. This will enable your television to identify and allocate the necessary programme positions.

1 Press the **MENU** button to ***select*** the **Main menu**.

Main menu
Picture +
Sound
Set up
Timer
more features
CALL: to exit

2 Press the ▼ button repeatedly to ***highlight*** Set up.

Main menu
Picture
Sound
Set up +
Timer
more features
CALL: to exit

3 Press the + button to ***select*** the **Set up** menu.

Set up
Auto tune +
Manual tune
Manual fine tuning
Prog. skip : off
MENU: return to Main menu
CALL: to exit

4 Press the ▼ button repeatedly to ***highlight*** Auto tune.

Set up
Auto tune +
Manual tune
Manual fine tuning
Prog. skip : off
MENU: return to Main menu
CALL: to exit

5 Press the + button to ***select*** the **Auto tune** display.

DO NOT PRESS 🔇 OR ANY OTHER BUTTONS WHILST YOU ARE TUNING

Auto tune
PREVIOUS SETTINGS WILL BE LOST!
EXIT FOR NO CHANGE
STR : START
MENU: return to Set up menu
CALL: to exit

6 Press the **STR** button to start the automatic search. Allow the television to complete the search. If you make a mistake simply start again from the beginning. The channel number will change as the TV searches through the band (21-69). Each station will be displayed along with the station identifier. (This takes approx. 3 minutes.)

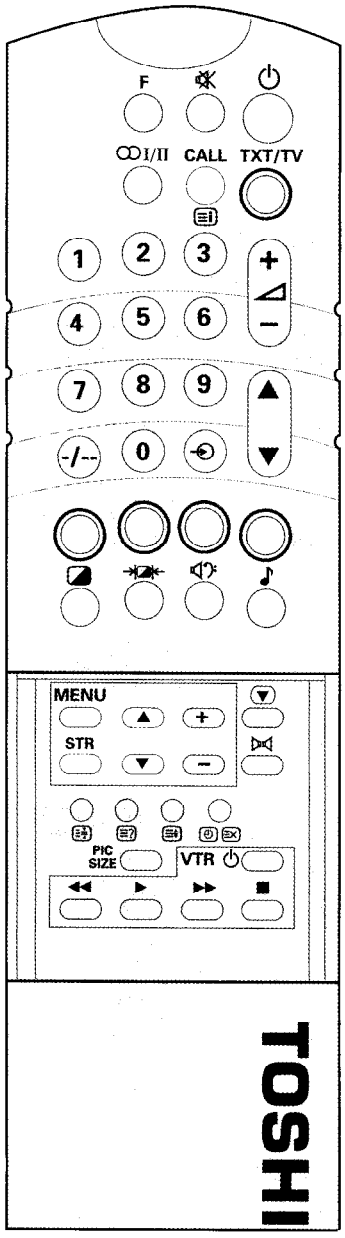
SEARCHING
Station : BBC1 Channel : 22

Continued on page 11

Auto tune (continued)

To allocate a position for your video recorder use the Manual tune method as described on pages 12/13.

Auto tune:



PROGRAMME POSITIONS FOR AUTO TUNE

PROGRAMME	STATION	DESCRIPTION
1	BBC1	BBC1
2	BBC2	BBC2
3	ITV	ITV
4	CH4	CHANNEL 4
5	CH5	CHANNEL 5
6	SAT	SATELLITE

7 When the search is complete the television will display a list of all the BBC1 signals available. If there is a choice, press the ▲ (or ▼) buttons to scroll through and view the channels.

Auto tune		
Prog.	Station	CH.
1	BBC1	22
	BBC1	28
STR : to store		
MENU : return to Set up menu		
CALL : to exit		

8 Select the channel you like best and press the **STR** button to STORE BBC1 to programme position 1. (**STR: to store** will highlight momentarily.) Any unstored BBC1 choices will be displayed later should you wish to store them.

Note: You may only have one selection, but up to four selections could be displayed at any time

9 Programme 2 will appear showing the BBC2 choices. Repeat steps 7 and 8 to allocate the required signal for BBC2, ITV and Channel 4.

Auto tune		
Prog.	Station	CH.
2	BBC2	38
	BBC2	56
STR : to store		
MENU : return to Set up menu		
CALL : to exit		

10 Programme 5 is allocated to Channel 5 although this may not be available in all areas. Press **STR** to continue this procedure.

Programme 6 is allocated to the satellite channel.

11 Programme 7 will display the remaining channels which have not yet been allocated.

Use the ▲ (or ▼) button to scroll through the list of available channels as each is highlighted the channel will be displayed.

Auto tune		
Prog.	Station	CH.
7	BBC1	28
	BBC2	66
STR : to store		
MENU : return to Set up menu		
CALL : to exit		

12 Press **STR** to store the channel you require on programme position 7. When you have stored a channel it will no longer appear in the list for further selection. Repeat as required, or press **CALL** to exit.

YOU MAY NOW CONNECT SCART LEADS

It is not necessary to tune your television to your video. Simply connect the scart leads, insert a tape and press play.

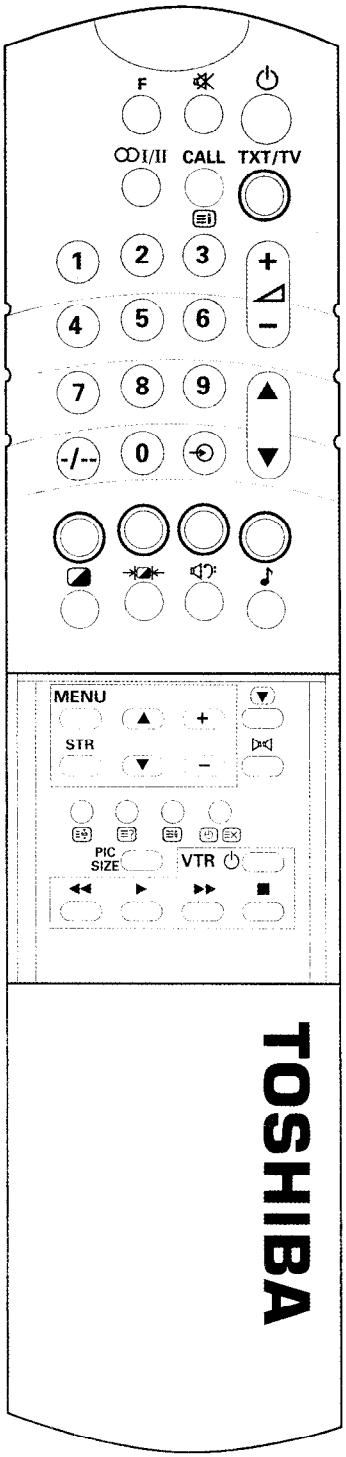
If you are unable to use scart leads, or wish to allocate a programme position to the video refer to page 13 "Tuning to your video" using aerial cables.

Tuning-in

Your Toshiba television may be tuned manually as an alternative to AUTO TUNE.

Manual tune:

Menu displays will remain on screen for approximately 15 seconds.



DO NOT PRESS ANY OTHER BUTTONS WHILST THE SET IS TUNING

1 With the **Main menu** showing, press the ▲ (or ▼) button repeatedly to ***highlight*** Set up.

Press the + button to ***select*** the **Set up** menu.

Main menu
Picture
Sound
Set up +
Timer
more features
CALL: to exit

2 Press the ▲ (or ▼) button to ***highlight*** Manual tune.

Press the + button to ***select*** the **Manual tune** menu.

Set up
Auto tune
Manual tune +
Manual fine tuning
Prog. skip : off
MENU: return to Main menu
CALL: to exit

3 Press the ▲ (or ▼) button to ***highlight*** Search.

Press the + button to search up the band (>>>) or the − button to search down the band (<<<).

The >>> will flash and the TV will show the channel numbers whilst the TV is searching.

When a station/satellite is found it will be displayed.

Manual tune
Search − +
Programme no.: 01
Channel : 32
Station : - - - -
STR : to store
MENU: return to Set up menu
CALL: to exit

Manual tune
Search >>> − +
Programme no.: 01
Channel : 38
Station : - - - -
STR : to store
MENU: return to Set up menu
CALL: to exit

4 Press the ▲ (or ▼) button to ***highlight*** the Programme no.

Press + (or −) button to ***select*** the programme position number you want to store the station on.

Manual tune
Search
Programme no.: 07 − +
Channel : 42
Station : - - - -
STR : to store
MENU: return to Set up menu
CALL: to exit

Press the **STR** button if you wish to store the broadcast displayed (**STR: to store** will highlight momentarily) or repeat from step 3 if you wish to continue searching.

The display will stay on screen for approx. 15 seconds. If you do not STORE the programme position it will not be held in memory.

Repeat the proccedure for all the remaining programme positions you wish to tune, including the satellite.

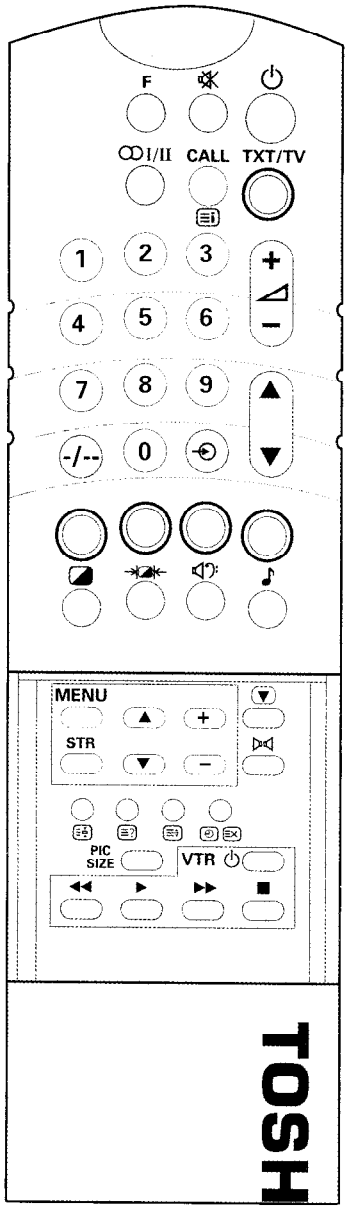
Press the **CALL** button to exit when you have finished.

YOU MAY NOW CONNECT YOUR SCART LEADS

Tuning-in (continued)

If you cannot connect your TV to the video recorder using scart leads you will need to allocate a programme position on the TV for the video recorder.

Tuning to your video recorder, Manual fine tuning, Programme Skip:



The Programme skip feature enables you to prevent certain programme positions from being viewed.
For example, if you are going out for the evening and you do not wish your children to watch a certain film etc., you can skip the programme position and take the remote control with you. The TV will function normally, using the controls on the front of the TV but the set will not show the skipped programme position.

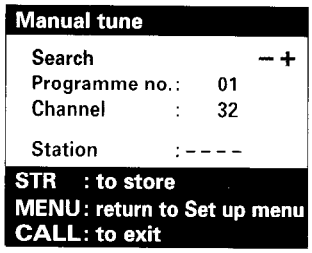
Tuning to your video recorder (connected via an aerial cable)
To tune your television to your video recorder play a pre-recorded tape.

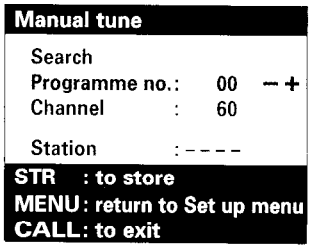
1 Follow steps 1 to 4 (Manual tune) as detailed on page 12.

When the video recorder is found, your pre-recorded tape will be displayed.

It is suggested that programme 00 is used.

Don't forget to press **STR**.

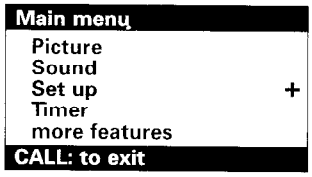




Manual Fine Tuning (Not normally required)
This will enable you to adjust the tuning manually to optimise the picture.

1 Press the **MENU** button to display the **Main menu**. Press the ▲ (or ▼) button to ***highlight*** Set up.

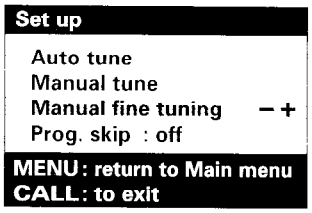
Press the + button to ***select*** the **Set up** menu.



2 Press the ▲ (or ▼) button to ***select*** **Manual fine tuning**.

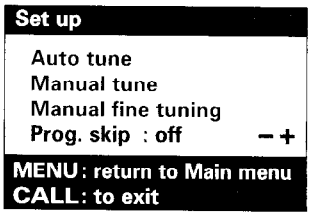
Hold down the + button to fine tune up, or the − button to fine tune down.

This setting will be stored automatically.



To select Programme skip

1 Press a numbered button to select the programme position to be skipped. With the adjacent display showing, press the ▲ (or ▼) button to ***select*** **Prog. skip**.



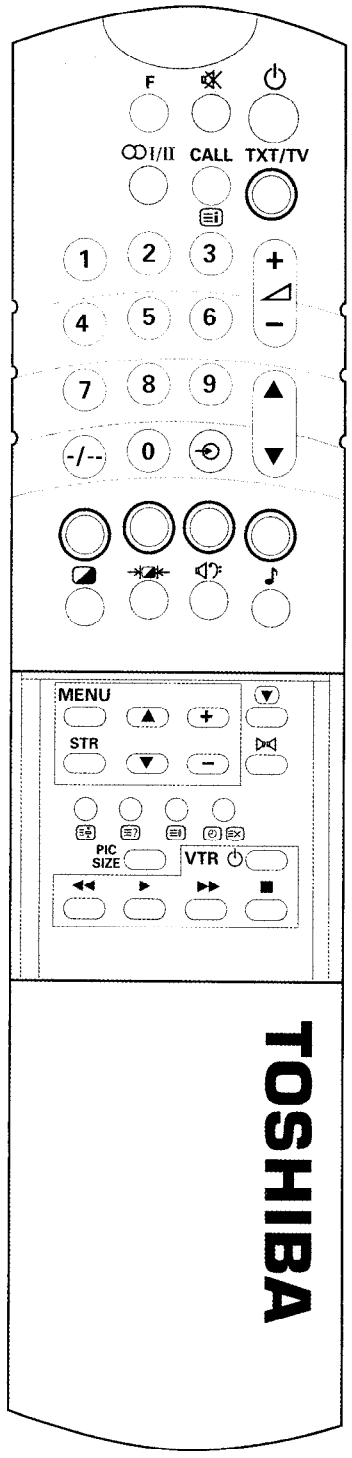
2 To turn the Programme skip option on or off use the + (or −) button.

NOTE: A * will appear beside a skipped programme position when using the numbered buttons on the remote control.

Watching TV programmes

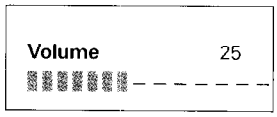
NOTE: To identify the current programme position press the **CALL** button. Press again to cancel the display.

Volume, Changing programme positions using the remote control:



To alter the volume

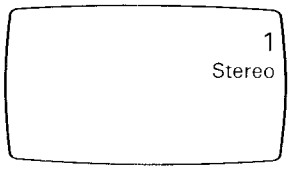
1 To raise or lower the volume press the + or − button. The display will show the changes. Holding down the **F** button whilst altering the volume will increase the speed of adjustment.



To change programme position

1 To ***select*** a programme position press one of the numbered buttons.

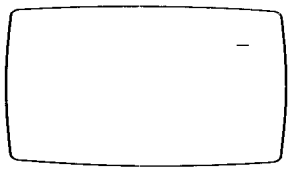
The programme position will be displayed in the top right corner of the screen together with the stereo/mono indicator. See page 18.



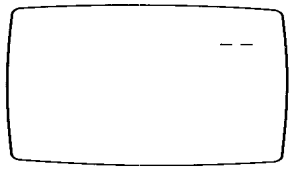
2 Alternatively you can change the programme position by using the adjacent button.

▲
▼

1 For programme positions below 10, press the -/-- button to select –. Enter the desired programme position number using the numbered buttons on the remote control.

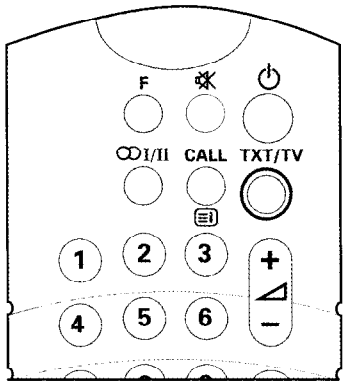


2 For programme positions above 9, press the **-/--** button to select – –. Enter the desired 2 digit programme position number (10-99).



Sound and picture controls

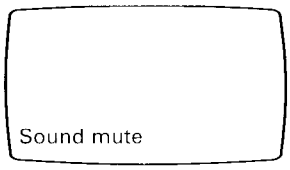
Sound mute:



To mute the sound

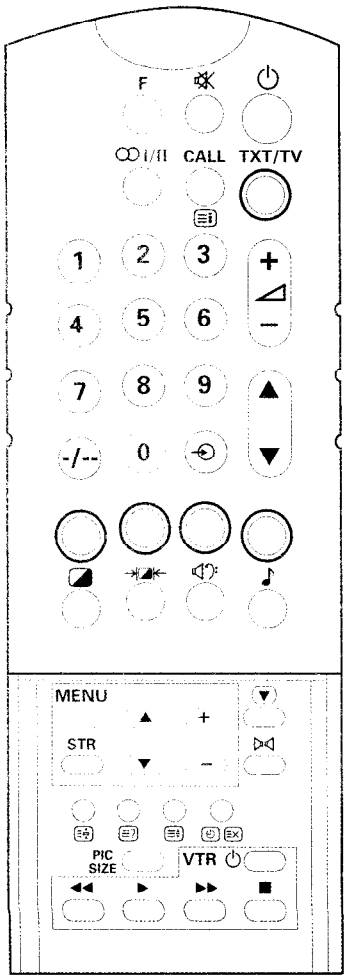
1 Press the 🔇 button. The words **Sound mute** appear on the screen.

2 Press the 🔇 button again to restore the sound.



Picture size/pos.:

To re-set the picture size and position back to the factory defaults, press the **F** and the **0** buttons simultaneously.



Adjustment to the horizontal and vertical position and height of the picture may be made to suit your viewing preferences. The **Picture size/pos.** options available differ according to the widescreen mode chosen, see pages 16 and 17.

eg: after pressing the **PIC SIZE** button and ***selecting*** **Cinema**:

1 Press the **MENU** button to display the **Main menu**.

Press the ▲ (or ▼) button repeatedly to ***highlight*** more features.

Press the + button to ***select*** the **Feature menu**.

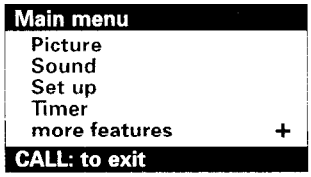
2 Press the ▲ (or ▼) button repeatedly to ***highlight*** Picture size/pos.

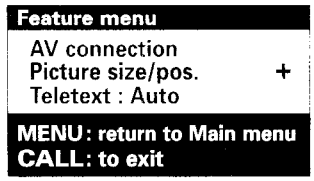
3 Press the + button to ***select*** the **Picture size/pos.** menu.

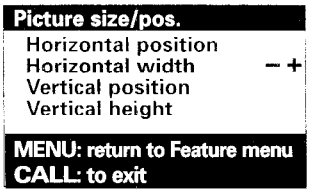
For example:

Press the ▲ (or ▼) button repeatedly to ***highlight*** Horizontal width.

Use the + (or −) button to ***adjust*** the setting.



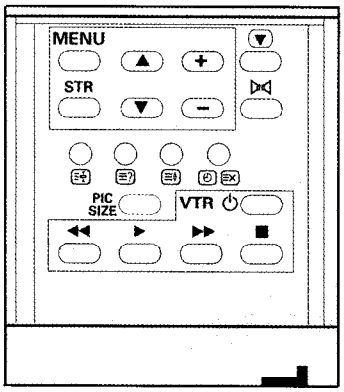




Widescreen modes

Your new widescreen Toshiba TV incorporates the latest, state-of-the-art widescreen modes. This model has been designed to display Widescreen (16:9) material correctly in Wide mode. In addition, a number of different options are provided to give the best presentation for existing TV broadcasts (4:3) programme material.

PIC SIZE:



More and more films are being broadcast in widescreen format with black bands top and bottom.

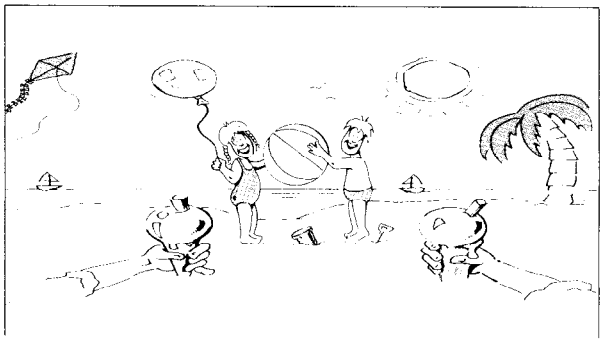
By pressing the **PIC SIZE** button the TV will toggle between **Super Live**, **Cinema**, **Subtitle**, **Wide** and normal **4:3** so that you can choose the screen mode best suited to the picture being transmitted, see below.

PIC SIZE: Super Live

This television is factory set to Super live which dramatically enhances most conventional 4:3 broadcasts by changing the proportions. You can manually ***select*** **Super Live** by repeatedly pressing the **PIC SIZE** button.

If you view a conventional 4:3 broadcast in Super Live mode the TV will dynamically stretch the broadcast image to fill the screen.

The central images will be closer to their normal proportions, whilst the extreme left and right edges will be progressively stretched.



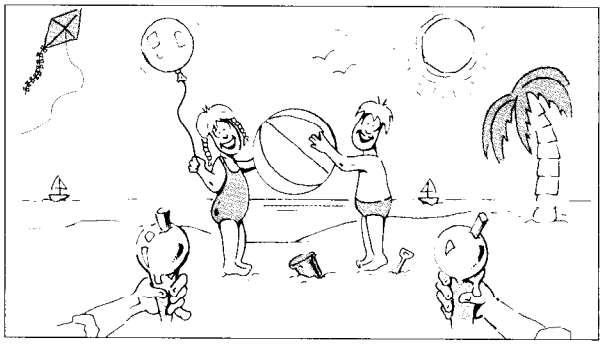
Viewing a 4:3 broadcast in Super live mode

PIC SIZE: Cinema

Select Cinema when any broadcast has black bars both above and below the picture area. These black bars will be reduced or eliminated.

Select **Cinema** by repeatedly pressing the **PIC SIZE** button.

If you view a conventional 4:3 broadcast in Cinema mode the TV will zoom in on the central image to fill the screen. The central image will retain its true aspect but some of the image on the top and bottom will be lost.



Viewing a 4:3 broadcast (with black bars top and bottom) in Cinema mode.

Widescreen modes (continued)

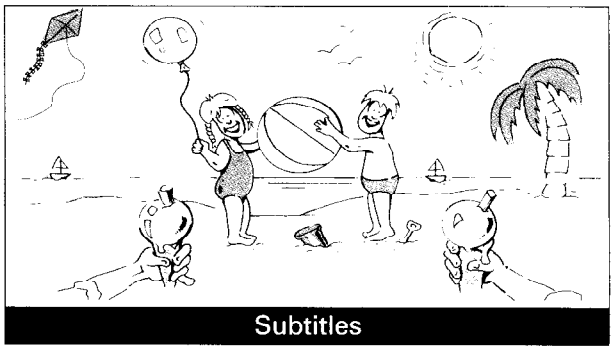
Alterations may be made to the picture position by ***selecting*** the **Picture size/pos.** from the Feature menu (see page 15).
To reset the picture position back to the factory defaults, press the **F** and the **0** buttons simultaneously.

PIC SIZE: Subtitle

Select Subtitle when any broadcast programme has subtitles* in the black bar at the bottom. This will display the image in its true proportions with the subtitles below. Some of the top of the image will be lost.

***Select* Subtitle** by repeatedly pressing the **PIC SIZE** button.

If you view a conventional 4:3 broadcast in Subtitle mode the TV will revert to Cinema mode with the image scrolled upwards.



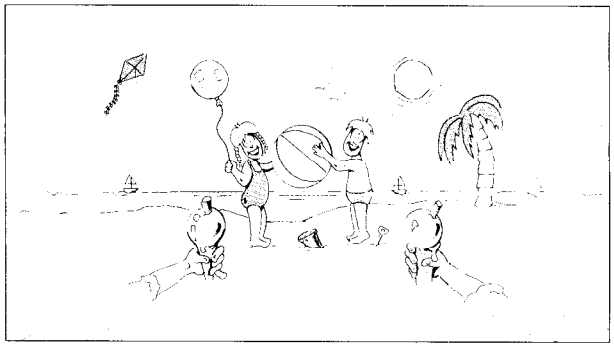
Viewing a 4:3 broadcast with subtitles in the lower bar.

**not teletext subtitles*

PIC SIZE: Wide

The Wide mode is only for viewing true 16:9 broadcasts. These movies, dramas etc. can now be viewed at home on TV as the Director originally intended. Press the **PIC SIZE** button repeatedly to ***select* Wide**.

If you view a conventional 4:3 broadcast in Wide mode the TV will stretch the picture to fill the screen.



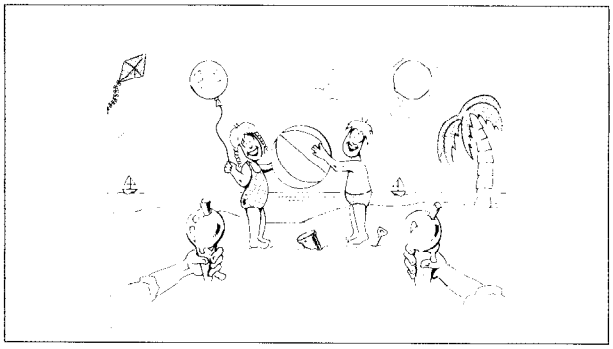
Viewing a true 16:9 broadcast.

PIC SIZE: 4:3

Press the **PIC SIZE** button repeatedly to ***select* 4:3**.

4:3 mode will display the broadcast images in a true 4:3 aspect, without modifying the picture. Grey bars will appear down both the left and right side of the picture to give the conventional shape. This is normal.

Alterations may be made to the horizontal picture position by selecting **Picture size/pos.** from the Feature menu. To ***adjust*** the horizontal picture position press the + (or −) buttons as required.



Viewing a 4:3 broadcast.

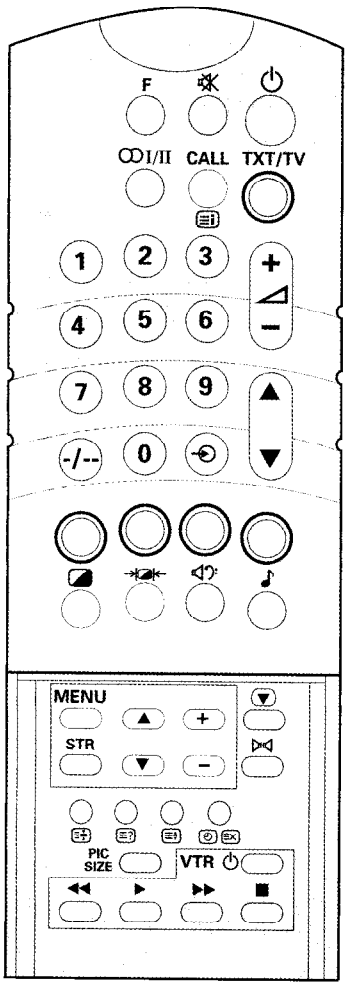
Picture adjustment

Picture adjustment:

There are four picture styles to choose from.

Picture-1, Picture-2 and Picture-3 are factory set.

To change the settings to suit your own particular taste select Picture-M, adjusting contrast, brightness, colour, tint and sharpness accordingly.



Selectable picture allows you to change the contrast at the touch of a button.

To select the alternative picture styles

1 Press the ⇥◪⇤ button repeatedly to view the different picture styles available.

Picture-1

Picture-2

Picture-3

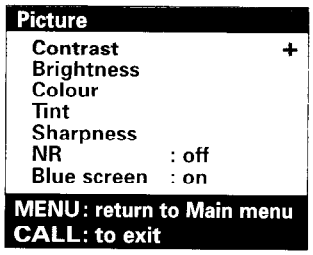
The memory Picture-M will contain your own selection of Contrast, Brightness, Colour, (Tint) and Sharpness as set out below.

Picture-M

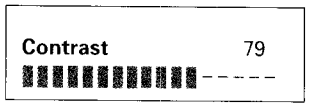
Contrast, Brightness, Colour, Tint and Sharpness Adjustment

1 Press the ◪ button to ***select*** the **Picture** menu.*

Press the ▲ (or ▼) button repeatedly to ***select*** between the **Contrast, Brightness, Colour**, **Tint** and **Sharpness**.



2 Use the + (or −) button to ***adjust*** the settings.

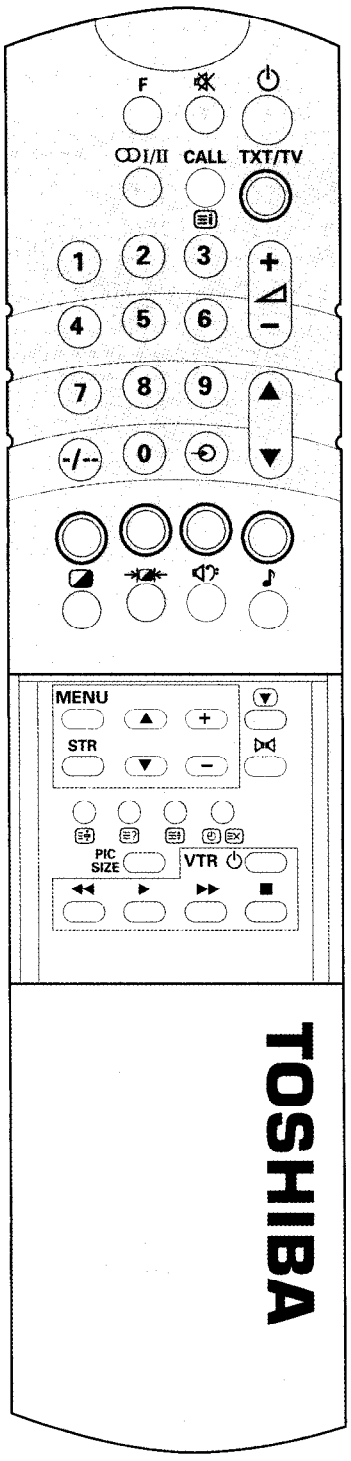


* This menu can also be accessed by using the buttons on the front of the TV.

Sound adjustment

Spatial surround – For Stereo signals to enhance the depth of sound. If only mono is being transmitted, this feature will have no effect.
Pseudo surround – For mono signals to enhance the depth of sound. To confirm whether the transmitted broadcast is mono or stereo press the **CALL** button.

Sound adjustment:



To select Spatial or Pseudo surround

1 Press the ▷◁ button to ***select*** between **Spatial surround, Pseudo surround and Surround off**.

Spatial surround

Pseudo surround

Surround off

Bass, Treble and Balance Adjustments

1 Press the ♪ button to ***select*** the **Sound** menu.*

Press the ▲ (or ▼) button repeatedly to ***select*** **Bass**, **Treble** or **Balance**.

For example: **Bass**.

Press the + button to ***select*** the **Bass** display.

Sound
Bass −+
Treble
Balance
MENU: return to Main menu
CALL: to exit

2 Use the + (or −) button to ***adjust*** the setting.

Bass -3

* This menu can also be accessed by using the buttons on the front of the TV.

Bass Boost

A Bass Boost has been built into your new Toshiba television which will add a greater depth to the sound.

To select Bass Boost

1 Press the 🔊 button to ***select*** between **Bass Boost 'off'**, **'high'** or **'low'**

Bass Boost : off

Bass Boost : high

Stereo or bilingual broadcasts

This TV set is designed to receive and automatically detect all NICAM and dual language transmissions.
The following describes the operation and displays which accompany these broadcasts.

Stereo/bilingual modes:

If Nicam or dual language broadcasts are transmitted the word Stereo or Dual will appear in the upper right corner of the screen, after a few seconds the display will disappear. The display will reappear each time you change programme positions, provided that the broadcast is in stereo. If the broadcast is not in stereo the word Mono will appear.

Some common problems with Nicam reception:–

The word Stereo does not appear on screen:

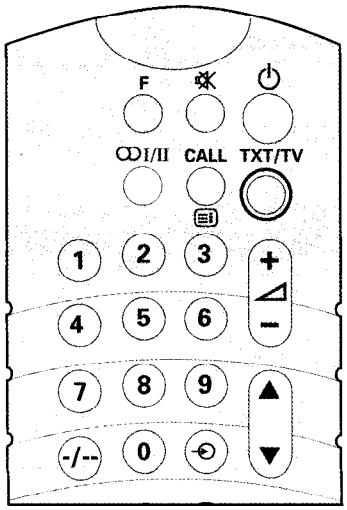
1 It is not a stereo transmission;
2 Your local transmitter has not been upgraded for Nicam.

Stereo appears but sound is in Mono:

1 You have selected Mono mode;
2 The original soundtrack of the film etc. was recorded in Mono;
3 The programme is being broadcast with identical sound in left and right channels.

Note: For stereo and dual language information refer to a TV programme magazine or the text pages for your area.

If transmission is in Mono the ⌀I/II button has no effect.

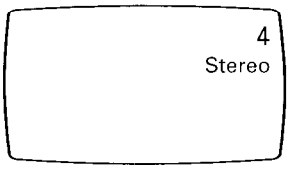


To select stereo/mono mode

1 ***Select*** the required programme position.

2 Press the ⌀I/II button repeatedly, to ***select*** between Stereo and Mono.

(NICAM broadcasts can be in either Stereo or Mono.)

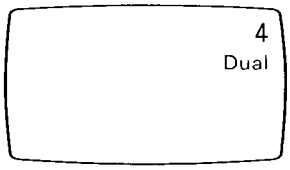


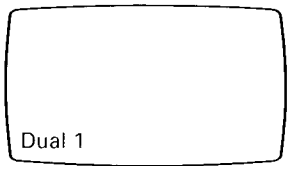
Bilingual transmissions are rare. If bilingual broadcasts are transmitted the word Dual will be displayed.

To select bilingual mode (when transmitted)

1 If the word Dual appears when you ***select*** your programme position.

2 Press the ⌀I/II button to ***select*** between the different options.

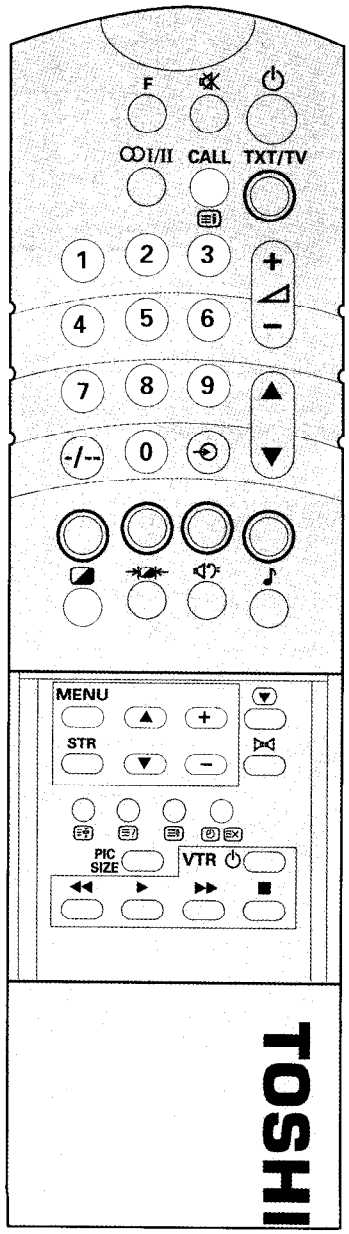




Timer, Noise reduction, Blue screen, Time Display

Timer:

The Timer is especially useful if you want the television to turn itself on or off after a selected period of time. For example: If you want the set to turn itself on in 30 minutes time and watch programme 3 simply follow the procedure indicated. Activation of the Timer is indicated by the green "on timer indicator" on the front of the TV (see page 6).



To select the Timer menu

1 Press the **MENU** button to display the **Main menu**.

Press the ▲ (or ▼) button repeatedly to ***highlight*** Timer.

Main menu
Picture
Sound
Set up
Timer −+
more features
CALL: to exit

2 Press the + button to display the **Timer** menu.

Use the numbered buttons to set the ON or OFF delay time, e.g. On in 30 minutes and programme 3 selected.

Timer	
Off timer : 00:00	0-9
On timer : 00:30 P03	
0-9 : to set	
MENU: return to Main menu	
CALL: to exit	

Note: When setting the ON time you will be required to enter the selected programme position. The set must then be put into standby mode (see page 6).
The maximum time delay is 12 hrs 59 mins.

Noise Reduction (NR), Blue Screen:

The Noise Reduction (NR) feature can improve the picture quality of a weaker signal.

The Blue Screen control instructs the television set to mute the sound and switch the screen to blue when no signal is being received and will switch to standby after approximately 20 minutes.

To select Noise Reduction (NR) and Blue Screen

1 Press the ◪ button to bring up the adjacent menu.

Press the ▲ (or ▼) button to ***select*** **NR** or **Blue screen**.

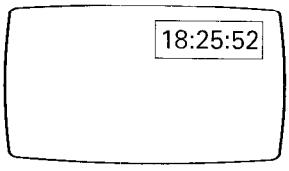
Picture		
Contrast		
Brightness		
Colour		
Tint		
Sharpness		
NR	: off	−+
Blue screen	: on	
MENU: return to Main menu		
CALL: to exit		

2 To turn on (or off) press the + (or −) button.

Time display:

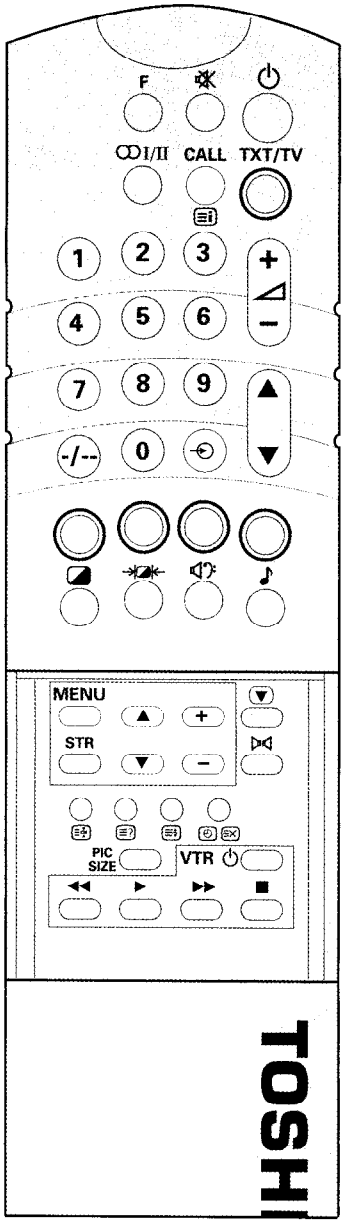
To select the Time display

If you press the ⏲ EX button whilst watching a normal TV broadcast, you will see a very accurate time display appear in the top right corner of the screen (which remains on screen for approximately 5 seconds) i.e. 6.25 and 52 seconds p.m.



AV connections, Input Selection

AV connections:



NOTE: To identify the current programme position press the **CALL** button. Press again to cancel the display.

Having connected your video recorder, satellite receiver etc. you may select it with the external source selection button ⊕. Most satellite receivers and video recorders will do this automatically for you.

This feature allows you to select the type of video recorder to be connected to scart 2. S-Video enables the television to receive from Super VHS video recorders, AV enables the television to receive from standard video recorders.

To select INPUT signal for scart 2

1 Press the **Menu** button to display the Main Menu and then press the (+) button to ***select*** the **Feature menu**.

2 Press the (▲) (or (▼)) button to ***highlight*** AV connection.

3 Press the (+) (or (−)) button to ***select*** the required **input**: **AV** or **S-Video**.

Feature menu
AV connection +
Picture size/pos.
Teletext : Auto
Surround set up
MENU: return to Main menu
CALL: to exit

AV connection
EXT2 input : AV −+
EXT2 output : Monitor
MENU: return to Feature menu
CALL: to exit

To select OUTPUT signal for scart 2
This feature enables you to select the source to *output* from Scart 2. e.g. If you connect a stereo satellite receiver to Scart 1 and a stereo video recorder to Scart 2, and select EXT1 as the EXT2 output (i.e. you will output the signal received through Scart 1 directly out to Scart 2), you will be able to record the stereo satellite transmission in stereo.

1 Press the (▲) (or (▼)) button to ***select*** **EXT2 output**.

2 Press the (+) (or (−)) button to ***select*** between **Monitor, TV, EXT1, EXT2** or **EXT3**.
Monitor = Picture on screen TV = TV tuner

AV connection
EXT2 input : AV
EXT2 output : Monitor −+
MENU: return to Feature menu
CALL: to exit

Input Selection:

Input Selection (If the TV does not switch over automatically)

1 Press the ⊕ button to bring up the adjacent display. This will set your TV to a video connected through Scart 1 (EXT1) (1).

EXT1

2 Press the ⊕ button again to ***select*** the equipment connected to Scart 2 (EXT2 or EXT2S) (2).

To return to TV mode simply press one of the numbered buttons on the remote control. To view the auxiliary equipment once again, simply press the ⊕ button.

EXT2/2S

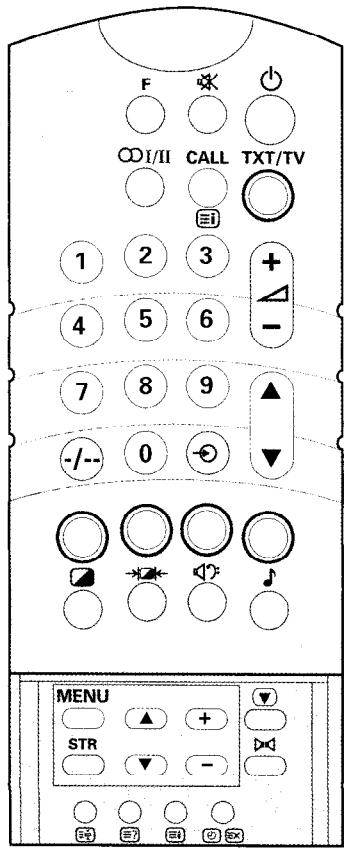
Teletext

This television offers two different ways of viewing Teletext. The systems available will depend on which system(s) are broadcast by your television broadcast station. Your Toshiba dealer will be able to advise you.
Note: It will not be possible to change programme position whilst in Teletext mode, you will have to cancel the teletext first by pressing the **TXT/TV** button twice. You will also need to cancel text before changing channels whilst using a satellite receiver.

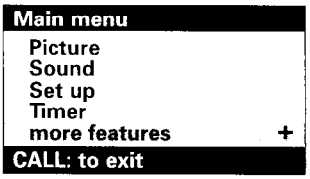
Teletext mode:

Selecting AUTO, the TV will automatically display the best text system available i.e. if FASTEXT is transmitted it will be displayed. If no FASTEXT is available, normal text will be displayed. Selecting LIST will enable you to 'link' chosen pages.
When you first select teletext you will see an initial page which briefly outlines the main subject areas and their relevant page numbers. You can access any teletext page by entering a 3 digit page number using the numbered buttons on the remote control.

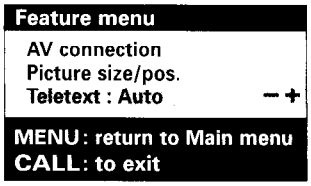
To advance to the next page of teletext, press the ▲ button, to go back to the previous page press the ▼ button.
FASTEXT is a method of viewing teletext pages by related subjects. These subject areas are grouped by the broadcast studio and are selected by pressing one of the associated coloured prompt buttons on the remote control.
LIST mode enables you to select an INITIAL page and four user selected teletext pages on any programme position 0-9.



1 Press the **MENU** button and with the **Main Menu** showing press the (▲) (or (▼)) button to ***highlight*** more features.



2 Press the (+) or (−) button to ***select*** between **Auto** and **List** modes.



Using Teletext: Auto and List modes:

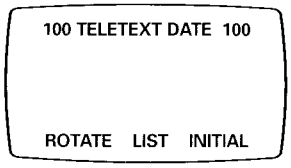
Using AUTO Mode

Press the **TXT/TV** button to ***select*** **Teletext**.
If **FASTEXT** is available, you will see 4 coloured titles at the base of the TV screen. To access any given subject simply press the relevant coloured button on the remote control.
If **FASTEXT** is not available, you can access any page simply by entering a 3 digit page number. For further information on your particular text system(s) see the broadcast teletext index page or consult your local Toshiba dealer.

Using LIST Mode

1 Press the **TXT/TV** button to ***select*** **Teletext**.

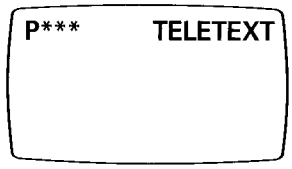
2 To programme the set to hold your 4 favourite pages in memory. Select the LIST function by pressing the GREEN button.

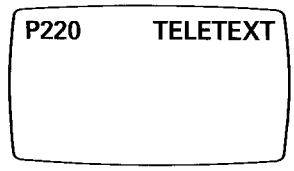


3 Enter the first page number (in purple) then press the GREEN button. (If the number reverts to white simply press the GREEN button again.) Repeat step 3 for each of the desired 4 pages.

4 To view the selected pages press the RED button for ROTATE.

5 On programme positions 0-9 you can pre-programme an INITIAL page. Select the INITIAL function by pressing the YELLOW button. P*** will appear in the top left corner of the screen. Enter the required 3 digit page number. As you key in the desired INITIAL page, for example page 220, the numbers will replace the ***. Whenever text is first selected on this programme position this INITIAL page will be displayed.



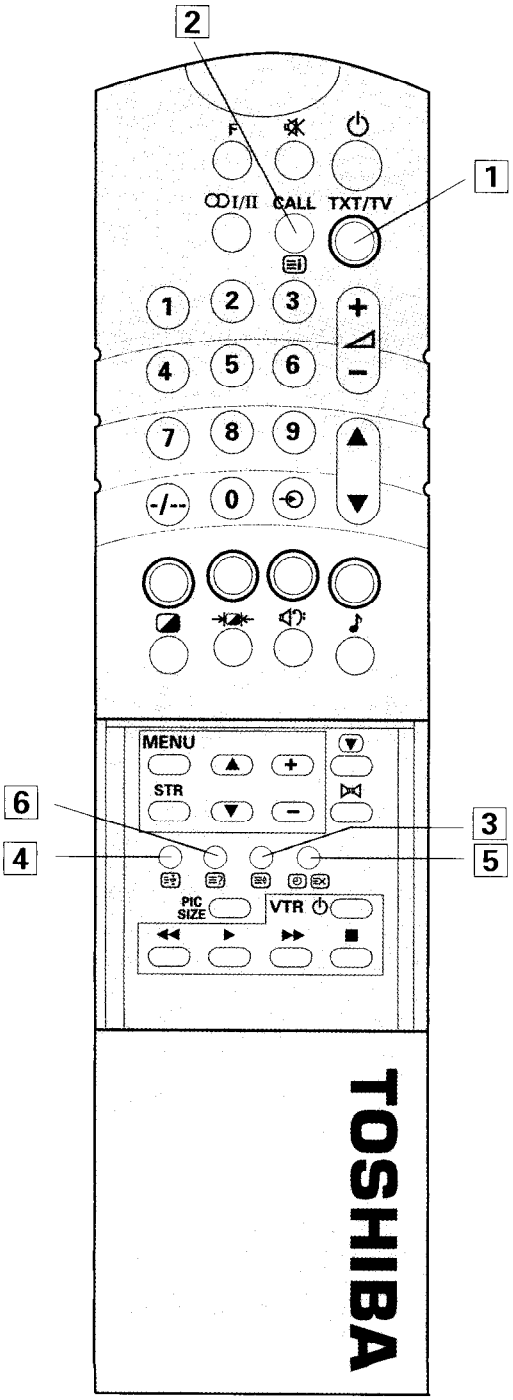


Teletext buttons on the remote control

Below is an introduction to the teletext buttons on your remote control and their functions.

Teletext buttons:

Note: It will not be possible to change programme position whilst in Teletext mode, you will have to cancel the teletext first by pressing the **TXT/TV** button twice.



1 TXT/TV To display a page of teletext:

Press the **TXT/TV** button to display teletext. Press again to superimpose the teletext over a normal broadcast picture. Press again to return to normal TV mode.

2 To display an index/initial page:

In Fastext-mode
Press the button to call up the index page for the subject area you are viewing. If you are viewing a section index, by pressing the button again you will see the general index.

In List-mode
Press the button to return to your chosen initial page.

3 To enlarge the teletext display size:

Press the button once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to the normal size.

4 To hold a wanted page:

At times it is convenient to hold a page of teletext. Press the button and the word HOLD will appear in the top left of the screen. Press again to release.

5 To select a page whilst viewing a normal picture:

When in teletext mode, if a page selection is made and then the button is pressed, a normal picture will be displayed. The TV will indicate when the page is present by displaying the title bar of the text page at the top of the screen. Press the **TXT/TV** button to view the page.

To display news flashes:
To view news flashes as they are broadcast, select the news flash page for the particular teletex service (see the index page of teletext service). Press the button. The news flashes will be displayed as and when they are broadcast. Press the button to cancel the display. Note: It will not be possible to change programme position whilst in this mode, you will have to press the **TXT/TV** button to cancel the teletext first.

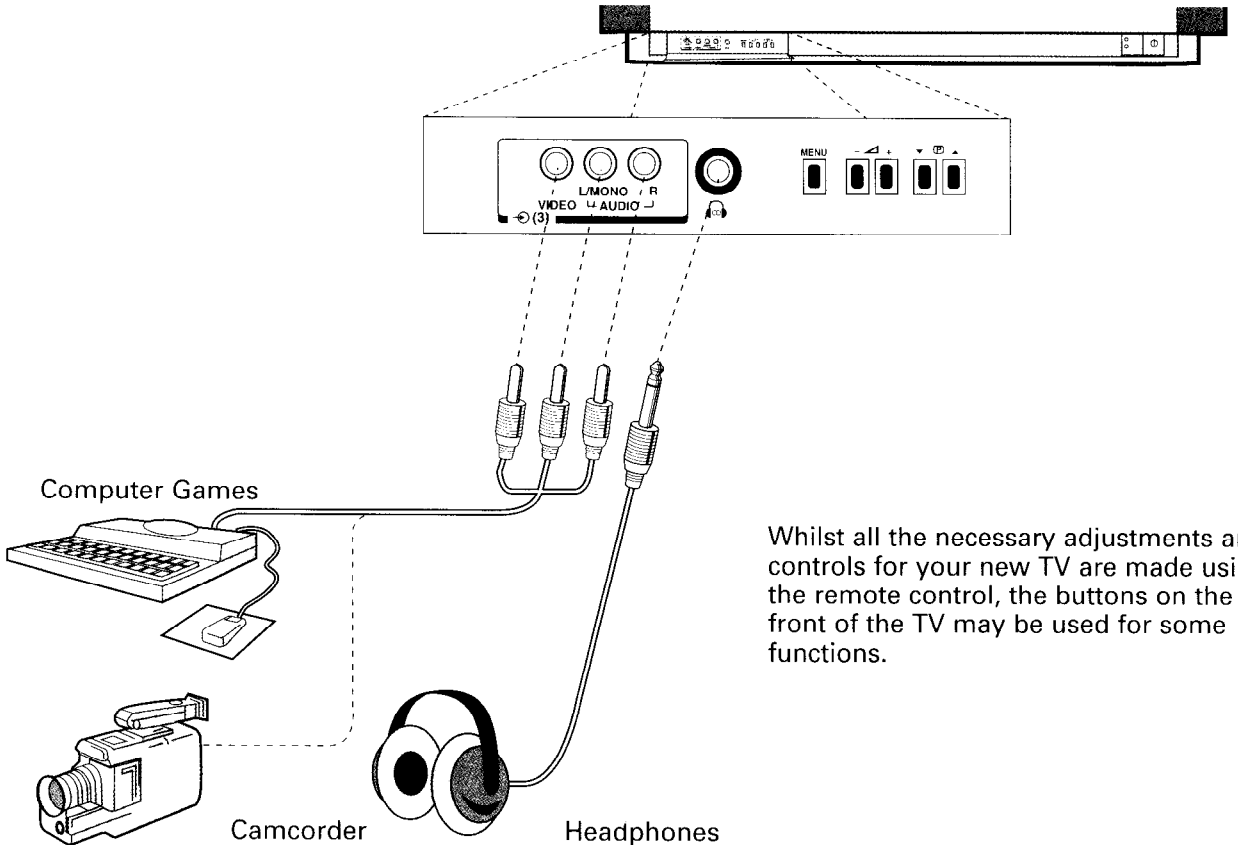
6 To reveal concealed text:

Some pages cover topics such as quizzes and jokes. To discover the solutions press the button.

TV front panel

You are able to connect a wide variety of auxiliary equipment via the phono sockets located behind the flap on the front of the TV. To open press the right hand side of the flap. For full details always refer to the owner's manual of the equipment to be connected.

Front connections:



Whilst all the necessary adjustments and controls for your new TV are made using the remote control, the buttons on the front of the TV may be used for some functions.

If you connect mono sound equipment to input 3, connect the audio output of the equipment to the L/Mono jack on the TV.

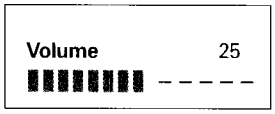
To select the front inputs, press the ⊙ button until the display shows EXT3.

Before connecting any external equipment turn off all main power switches.

Please note: Inserting the headphone jack will mute the sound from all speakers and deliver a normal stereo left and right signal.

Front controls:

1 To alter the volume press the ◿ + (or −) button.



2 To alter the programme position press the Ⓟ ▲ (or ▼) button.

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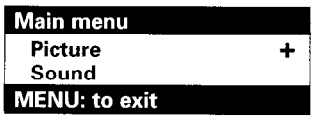
1 Press the **MENU** button to bring up the **Picture** and **Sound** options of the **Main menu**.



2 Press the ▲ (or ▼) button to ***highlight*** the desired item.

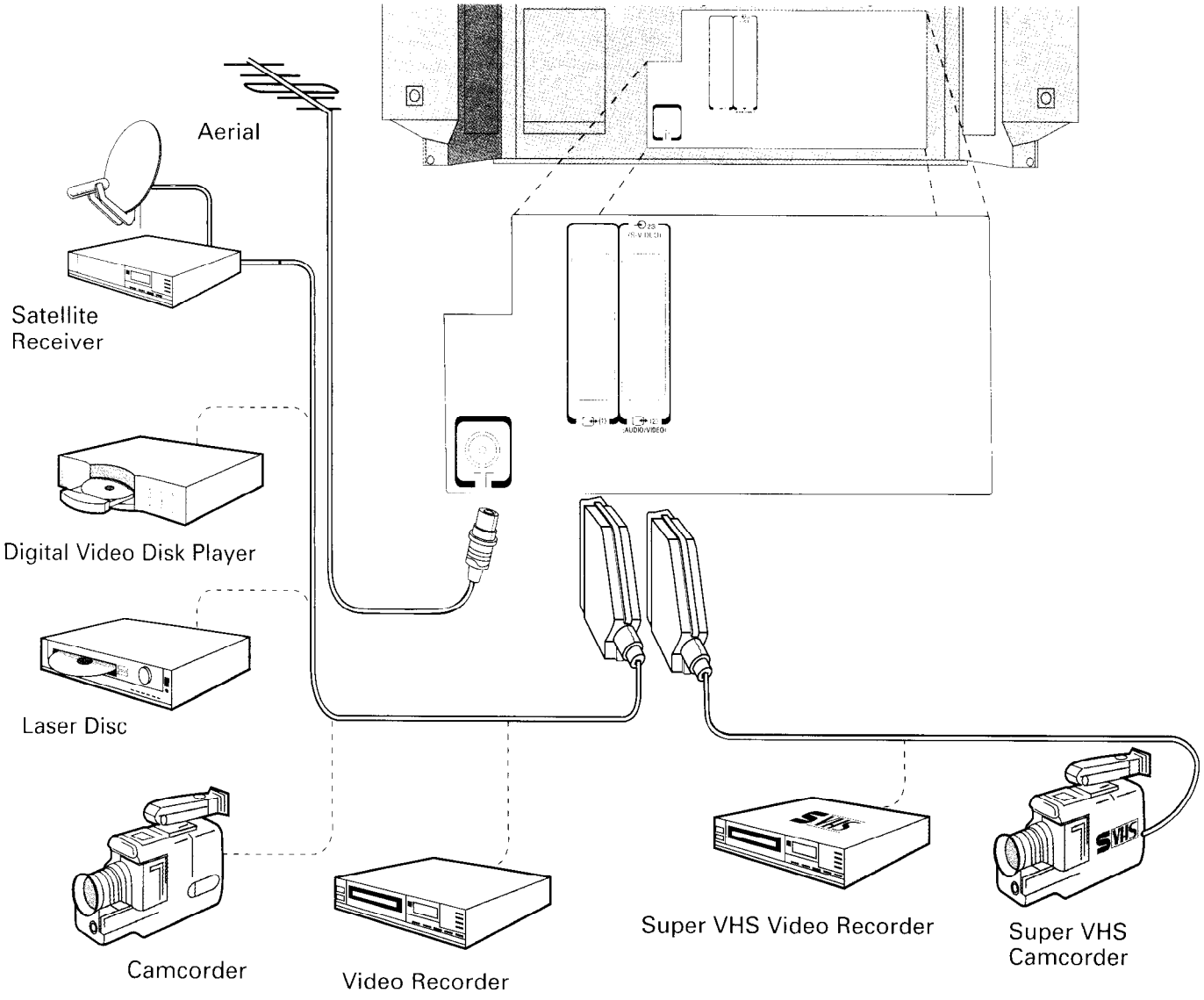
3 Press the + button to ***select*** the desired menu. Press the ▲ (or ▼) button to ***highlight*** the desired item.

Press the + (or −) button to ***select/adjust*** the desired item.

Allow display to disappear or press the **MENU** button on the front of the TV to exit.

Back connections

Back connections:



On the back of the TV are 2 scart sockets which enable you to connect a variety of auxiliary equipment (AV or S-Video).

Before connecting any external equipment, turn off all main power switches.

If your TV automatically switches over to monitor the auxiliary equipment you can return to normal TV simply by pressing the desired programme position button. To recall the auxiliary equipment, press the ⊖ button repeatedly to select between EXT1 and EXT2.

To view a video recorder press the ⊖ button repeatedly to select EXT1 or EXT2.

To return to normal TV press one of the numbered buttons on the remote control.

To return to watching a video press the ⊖ button again.

Specifications, Accessories and Simple Problem Solving

Specifications

Receiving system/channels	CCIR (I-PAL) TV Broadcast standard UHF: 21-69
Programme Positions	100
Standby Power consumption	8.1 watts
Mains Plug 'Fitted' Fuse	5 amp
Power consumption	122 watts
Stereo	Nicam I
Video Input	PAL, PAL 60 Hz. (Video disk playback) NTSC 3.58/4.43 MHz./50Hz. NTSC (VTR playback)
Input/Output Input/Output Front input	Scart-1 (Full -21 pin) RGB, AV Scart-2 (21 pin) AV, S-video, Selectable output Input 3 (AV and L + R audio)
Visible Screen Size (Measured diagonally)	660 mm
Display	16:9 aspect ratio
Sound output (at 10% distortion)	10W + 10W rms
Dimensions	812 mm (W) 514 mm (H) 518.5 mm (D)
Weight	34.4 Kg (approx.)
Headphone Socket	3.5 mm Stereo
Accessories	1 Remote control 2 (R6 or AA) batteries

Simple Problem Solving:

If your TV fails to operate correctly, we recommend that the following simple checks are carried out before contacting your local Toshiba dealer.

No Picture or Sound.
Check: – mains switches are on, press ⏻.
Plug into a known working mains socket.
– 'Timer off' facility has operated.

Poor or no Picture.
Try a different TV station, check your aerial and connections. Adjust fine tuning.

Coloured patches on screen.
Often caused by magnetic field interference. Turn off the TV at the mains switch and leave overnight before switching on again.

Cleaning the screen and cabinet. After turning off the power, clean the screen and cabinet with a soft, dry cloth. We recommend that you do not use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.

When the set reaches the end of its useful life please dispose of it in accordance with Local Government Regulations or at a recycling centre.

Good picture but no sound.
Press ◿ + or 🔇.

Remote Control does not work.
Check the batteries.

If you have problems with teletext.
Good performance of text depends on a good strong broadcast signal. This normally requires a roof or loft aerial. If the text is unreadable or garbled, check your aerial. Go to the main index page of the teletext service and look for the User Guide. This will explain the basic operation of teletext in some detail.

If you need further information on how to use text (see the Teletext section).

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